

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of preparing gypsum wallboard comprising the steps of;
  - a) combining calcium sulfate ~~sulphate~~ hemihydrate (stucco) with water to form an aqueous slurry,
  - b) adding ~~uncalcined gypsum~~ calcium sulfate dihydrate particles of desulphogypsum (DSG) to said slurry,
  - c) discharging ~~b) discharging~~ the slurry onto a support so as to form a sheet of gypsum board wherein said ~~uncalcined gypsum has~~ calcium sulfate dihydrate DSG particles have a specific surface area within a range of from 0.1 and below 0.3 m<sup>2</sup>/g and ~~has have~~ a particle size distribution within the range of 0.1 to 1000 microns.
2. (currently amended) A method of preparing gypsum wallboard as claimed in claim 1 wherein said ~~uncalcined gypsum has~~ calcium sulfate dihydrate DSG particles have a specific surface area within a range of 0.1 to 0.299m<sup>2</sup>/g.
3. (currently amended) A method of preparing gypsum wallboard as claimed in claim 1 wherein said ~~uncalcined gypsum has~~ calcium sulfate dihydrate DSG particles have a specific surface area within a range of 0.1 to 0.2m<sup>2</sup>/g.

4. (currently amended) A method of preparing gypsum wallboard as claimed in claim 1 wherein the ~~uncalcined gypsum~~ calcium sulfate dihydrate is dried before being added to said slurry.

5. (currently amended) A method of preparing gypsum wallboard as claimed in claim 1 wherein the ~~uncalcined gypsum~~ calcium sulfate dihydrate is mixed with water and added to the stucco and water mixture as a slurry.

6. (currently amended) A method of preparing gypsum wallboard as claimed in any one of the preceding claims wherein the calcium sulfate dihydrate ~~uncalcined gypsum~~ is present within the range of about 10 to 25% w:w of the calcium sulfate ~~sulphate~~ hemihydrate.

7. (currently amended) A method of preparing gypsum wallboard as claimed in ~~any one of claims 1 to~~ claim 6 wherein the calcium sulfate dihydrate ~~uncalcined gypsum~~ is present within the range of about 10 to 25% w:w of the calcium sulfate ~~sulphate~~ hemihydrate.

8. (cancelled)

9. (currently amended) A method of preparing gypsum wallboard as claimed in claim 6 ~~any one of the preceding claims 1 to 7~~ wherein the calcium sulfate dihydrate ~~uncalcined gypsum~~ is present in the composition in an amount of about 20% by w:w of the calcium ~~sulphate~~ sulfate hemihydrate.

10. (cancelled)

11. (cancelled)

12. (currently amended) A method according to claim 6 ~~any one of the preceding claims~~ wherein existing gypsum wallboard is crushed to a suitable size and added to the slurry to provide additional bulk to the wallboard mixture.

13. (currently amended) A cementitious composition for gypsum wallboard, the composition comprising a mixture of ~~stucco~~calcium sulfate hemihydrate (stucco), water and ~~desulphurisation gypsum~~ calcium sulfate dihydrate particles of desulphogypsum (DSG) wherein the calcium sulfate dihydrate DSG particles have a specific surface area of ~~at least some of the desulphurisation gypsum is~~ within a range of from 0.1 and below 0.3 m<sup>2</sup>/g and ~~has~~ have a particle size distribution within the range of 0.1 to 1000 microns.

14. (cancelled)

15. (currently amended) A cementitious composition according to claim 13 ~~claims 13 or 14~~ wherein the ~~desulphurisation gypsum is~~ DSG particles are present in the composition in an amount of about 5 to 50% w:w of the stucco.

16. (currently amended) A cementitious composition according to ~~claims 13 or 14~~ claim 13 wherein the ~~desulphurisation gypsum is~~ DSG particles are present in the composition within the range of about 10-30% w:w of the stucco.

17. (currently amended) A cementitious composition according to claim 13 ~~claims 13 or 14~~ wherein the ~~desulphurisation gypsum is~~ DSG particles are present in the composition within the range of about 10-20% w:w of the stucco.

18. (currently amended) A cementitious composition according to claim 13 ~~claims 13 or 14~~ wherein the ~~desulphurisation gypsum is~~ DSG particles are present in the composition in an amount of about 20% w:w of the stucco.

19. (currently amended) A cementitious composition according to any one of ~~the claims 13, 15 to 18~~ to 18 further comprising existing wallboard crushed or milled and added to the slurry to provide additional bulk to the wallboard mixture.

20. (cancelled)

21. (original) A cementitious wallboard produced by the method of claim 1.

22. (currently amended) A cementitious wallboard containing the cementitious composition of ~~claim 10~~ claim 13.